

STAFF REPORT

LOCALIZED HEALTH IMPACTS REPORT

Addendum 2 for a Selected Project Awarded Funding
Through the Alternative and Renewable Fuel and Vehicle
Technology Program Under Solicitation PON-13-607 –
Hydrogen Refueling Infrastructure



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ADDENDUM 2

The *Localized Health Impacts (LHI) Report for Selected Projects Awarded Funding Through the Alternative and Renewable Fuel and Vehicle Technology Program Under Solicitation PON-13-607-Hydrogen Refueling Infrastructure* was posted June 19, 2014.¹ This Addendum, for one project, applies the same localized health impacts assessment method for a new site for one of the stations in the HyGen Industries' project "100% Renewable & Sustainable Carbon-Free Hydrogen Fueling Station Network" as shown in Table 1.

Table 1: Proposed Address Change for Hydrogen Refueling Station and Environmental Justice Indicator²

Original Site Location	New Site Location	EJ Indicators for New Location
15281 West Sunset Boulevard, Pacific Palisades, California 90272	17301 Pacific Coast Highway, Pacific Palisades, California 90272	None

Source: Energy Commission Staff Analysis

The new location has no EJ indicators, and is therefore comparable to the original location. The Pacific Coast Highway location has the same nonattainment status for ozone, particulate matter (PM) 2.5, and PM 10, as the original West Sunset Boulevard location.

The proposed project will produce 100 percent renewable hydrogen using an on-site electrolyzer. Staff expects that air quality at and near the proposed site will improve over time because there will be no emissions from the refueling station and reduced greenhouse gas emissions will result from the Fuel Cell Electric Vehicles (FCEVs) fueled by the station.

1 Brecht, Patrick, 2014. *Localized Health Impacts Report*. California Energy Commission, Fuels and Transportation Division. Publication Number: CEC-600-2014-007.

2 The EJ indicators follow: (i.) minority subset represents more than 30 percent of a given city's population (2010), (ii.) city's poverty exceeds California's poverty level of 15.9 percent (2009-2013), (iii.) city's unemployment rate exceeds California's unemployment rate of 7.3 percent as of October 2014, and (iv.) city's percentage of persons younger than 5 years of age or older than 65 years of age is 20 percent higher than then California's average. Note: For the entire state, the percentage of persons under the age of 5 years is 6.8 percent, and the percentage of persons over the age of 65 years is 11.4 percent.

APPENDIX A

Table A-1: Zip-code based demographic data and Environmental Justice (EJ) indicators compared with the State of California

Yellow highlighted areas indicate numbers that meet the definition for EJ Indicators.

	Persons Below Poverty Level (2009- 2013)	Black persons (2010)	American Indian and Alaska Native (2010)	Persons of Hispanic or Latino Origin (2010)	Asian (2010)	Persons under 5 years of age (2010)	Persons over 65 years of age (2010)	Un- employ- ment rate (October 2014)
California	15.9%	6.2%	1.0%	37.6%	13.0%	6.8%	11.4%	7.3%
California (minorities)		>30.0%	>30.0%	>30.0%	>30.0%			
Pacific Palisades	4.6%	0.8%	0.1%	4.5%	5.3%	5.4%	20.2%	3.7%

Sources: Unemployment information from the State of California, Employee Development Department (EDD) Labor Market Information Division: http://www.labormarketinfo.edd.ca.gov/CES/Labor_Force_Unemployment_Data_for_Cities_and_Census_Areas.html and Demographics information from the U.S. Department of Commerce, U.S. Census Bureau: <http://quickfacts.census.gov/qfd/states/06/0660102..html>